Amendments to the Specification

Please replace the paragraph starting at line 4 on page 5 with the following amended paragraph:

This invention also embraces isolated DNA molecules comprising the nucleotide sequence of either SEQ ID NO:1 (the cDNA encoding soybean seed coat peroxidase) or SEQ ID ~~No:2~~ NO:2 (the genomic sequence).

Please replace the paragraph starting at line 7 on page 26 with the following amended paragraph:

Soybean genomic DNA was isolated from leaves of greenhouse grown plants or from etiolated seedlings grown in vermiculite. Plant tissue was frozen in liquid nitrogen and lyophilized before extraction and purification of DNA according to the method of Dellaporta *et al.* (1983). Restriction enzyme digestion of 30 μg DNA, separation on 0.5 % agarose gels and blotting to nylon membranes followed standard protocols (Sambrook *et al.*, 1989). For construction of the genomic library, DNA purified from Harosoy 63 leaf tissue was partially digested with *Bam*HI and ligated into the λ FIX II vector (Stratagene). ~~Gigapack~~ GIGAPACK XL packaging extract (Stratagene) was used to select for inserts of 9 to 22 kb. After library amplification, duplicate plaque lifts were hybridized to cDNA probe.

Please replace the paragraph starting at line 9 on page 28 with the following amended paragraph:

For isolation of RNA, tissue was harvested from greenhouse grown plants, dissected, frozen in liquid nitrogen, and lyophilized prior to extraction. Total RNA was purified from seed coats, embryos, pods, leaves, and flowers using standard phenol/chloroform method (Sambrook et al., 1989). This method did not afford good yields of RNA from roots, therefore this tissue was

extracted with ~~Triazole~~ TRIZOL isothiocyanate reagent (GibcoBRL) and total RNA purified according to manufacturers' instructions with an additional phenol-chloroform extraction step. The amount of RNA was estimated by measuring absorbance at 260 and 280 nm, and by electrophoretic separation in formaldehyde gels followed by staining with ethidium bromide and comparison to known standards. Total RNA (10 μg per sample) was prepared, subject to electrophoresis through a 1% agarose gel containing formaldehyde, and then stained with ethidium bromide to ensure equal loading of samples. The gel was blotted to nylon membrane (~~Hybond™~~ HYBOND N, Amersham) according to standard methods and the RNA was fixed to the membrane by UV cross linking.